

70596 U.S. PTO  
06/86470

07/01/97

Class

ISSUE CLASSIFICATION

SCANNED AT

5841377



UTILITY  
SERIAL  
NUMBER

PATENT DATE

NOV 24 1998

PATENT  
NUMBER

SERIAL NUMBER

FILING DATE

CLASS

SUBCLASS

GROUP ART UNIT

EXAMINER

2819

316 (inv)

By

Reissue  
09/17/98

Foreign priority claimed  
35 USC 119 conditions met

☒ yes ☐ no  
☒ yes ☐ no

AS  
FILED

STATE OR  
COUNTRY

SHEETS  
DRWGS.

TOTAL  
CLAIMS

INDEP.  
CLAIMS

FILING FEE  
RECEIVED

ATTORNEY'S  
DOCKET NO.

Verified and Acknowledged

Examiner's Initials

ADDRESS

TITLE

U.S. DEPT. OF COMM./PAT. & TM—PTO-436L (Rev.12-94)

PARTS OF APPLICATION  
FILED SEPARATELY

NOTICE OF ALLOWANCE MAILED

6/17/98

ISSUE FEE \$

Amount Due

Date Paid

\$1320.00

07/11/98

Label  
Area

Assistant Examiner

BRIAN K. YOUNG  
PRIMARY EXAMINER  
GROUP 2100

Primary Examiner

PREPARED FOR ISSUE

CLAIMS ALLOWED

Total Claims

Print Claim

18

1

DRAWING

Sheets Drwg.

Figs. Drwg.

Print Fig.

9

9

1

ISSUE  
BATCH  
NUMBER

F42

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PATENT NUMBER

ORIGINAL CLASSIFICATION

SUBCLASS

APPLICATION SERIAL NUMBER

APPLICANT'S NAME (PLEASE PRINT)

IF REISSUE, ORIGINAL PATENT NUMBER

CROSS REFERENCE(S)

CLASS

SUBCLASS (ONE SUBCLASS PER BLOCK)

08/ 886,470  
Takamizawa et al.

382

248

INTERNATIONAL CLASSIFICATION

H 03 M

7/00

GROUP  
ART UNIT

ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

PRIMARY EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

2819

BR / HNC / OCMG

ISSUE CLASSIFICATION SLIP

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE